## **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A high weather and chemical resistant, addition-crosslinkable, epoxy-functional organopolysiloxane resin which contains at least one or more of the repeating units having the formulae:

$$E_a R_b^1 R_c^2 SiO_{\frac{1}{2}}$$
 (M units)

$$E_a R_b^1 R_c^2 SiO_{\frac{2}{2}}$$
 (D units)

$$E_a R_b^1 R_c^2 SiO_{\frac{3}{2}}$$
 (T units)

$$SiO_{\frac{4}{2}}$$
 (Q units)

wherein

E is an epoxy-functional  $C_{1-18}$  hydrocarbon group containing one or more oxygen atoms, provided that no oxygen atom is directly bonded to a Si- atom; and

 $R^1$  and  $R^2$  are independently a  $C_{1-20}$  hydrocarbon, optionally interspersed with a heteroatom linking group;

a is an integer of 0, 1, or 2;

b is an integer of 0, 1, 2 or 3;

c is an integer of 0, 1, 2 or 3; and

in M units, a+b+c=3,

> in D units, a+b+c=2, in T units, a+b+c=1,

wherein the M units are present in less than about 40 mole percent; the D units are present in an amount of up to about 40 mole percent; and the molecule, on average, contains at least two E components.

2. (Original) The resin of claim 1 wherein the hydrocarbon group of E comprises a  $C_{3-12}$  hydrocarbon group.

- 3. (Original) The resin of claim 1 wherein the epoxy-functional organopolysiloxane resin has an alkoxy content of less than about 20 weight percent, based on the weight of the epoxy-functional organopolysiloxane resin.
- 4. (Original) The resin of claim 1 wherein the epoxy-functional organopolysiloxane resin has an epoxy equivalent weight in the range of about 150-1000.
- 5. (Original) The resin of claim 2 wherein the epoxy-functional organopolysiloxane resin has an epoxy equivalent weight in the range of about 200-600.
- 6. (Original) The resin of claim 5 wherein the epoxy-functional organopolysiloxane resin has a viscosity in the range of about 200-70,000 cps at 25°C.
  - 7. (Original) The resin of claim 6 wherein the E is glycidoxypropyl

$$O$$
 $(CH_2-CHCH_2OCH_2CH_2CH_2--).$ 

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8. (Original) The resin of claim 6 wherein the epoxy-functional organopolysiloxane resin comprises T units and the T units include structures selected from the group consisting of silsequioxane and polysilsesquioxane structures.

- 9. (Original) The resin of claim 1 wherein the resin has a molecular weight between about 750 and 25,000.
- 10. (Original) The resin of claim 1 wherein the epoxy-functional organopolysiloxane resin is prepared by reacting a silicone resin with a silane having at least one epoxy group per molecule.
- 11. (Original) The resin of claim 10 wherein the silane is represented by the formula:

$$R^{5}$$
 $R^{5}$ 
 $R^{5}$ 
 $R^{5}$ 
 $R^{5}$ 

wherein each  $R^5$  is individually selected from the group consisting of alkyl ( $C_{1-12}$ ), aryl ( $C_{6-9}$ ), vinyl, glycol, alkoxy ( $C_{1-12}$ ), and an epoxy functional  $C_{1-18}$  hydrocarbon group of the formula  $R^6$  -  $E^1$  wherein  $E^1$  comprises an epoxy group and  $R^6$  comprises a  $C_{1-18}$  hydrocarbon group optionally interspersed with at least one heteroatom linking group, with the proviso that at least one  $R^5$  comprises  $R^6$  -  $E^1$ .

- 12. (Original) The resin of claim 11 wherein the heteroatom linking group, if present, is not adjacent to the  $E^1$  group.
- 13. (Original) The resin of claim 11 wherein the hydrocarbon group of the  $R^6$  comprises a  $C_{3-12}$  hydrocarbon group.

14. (Original) The resin of claim 11 wherein the silane has a molecular weight in the range of about 100 to about 750.

- 15. (Original) The resin of claim 14 wherein the silane has an epoxy-functionality in the range of about 1 to about 4.
- 16. (Original) The resin of claim 15 wherein the silane has an alkoxy functionality in the range of about 1 to about 4.

17. (Original) The resin of claim 13 wherein  $R^6$ - $E^1$  is glycidoxypropyl ( $CH_2$ — $CHCH_2OCH_2CH_2CH_2$ —).

- 18. (Original) The resin of claim 11 wherein the silane a  $\gamma$ -glycidoxypropylsilane having  $C_{1^{-}12}$  alkoxygroups.
- 19. (Original) The resin of claim 10 wherein the silicone has a molecular weight in the range of about 300 to about 15000.
- 20. (Original) The resin of claim 7 wherein the resin comprises about 70 mole percent T units and about 30 mole percent D Units.
- 21. (Original) The resin of claim 1 wherein the resin is a liquid and has a molecular weight of about 500-5,000.
- 22. (Original) The resin of claim 21 wherein the resin has a molecular weight of about 1,200.

23. (Original) The resin of claim 22 wherein the molecule contains at least three E components.

24-25. (Cancelled)

26. (New) A high weather and chemical resistant, addition-crosslinkable, epoxy-functional organopolysiloxane resin which contains at least one or more of the repeating units having the formulae:

$$E_a R_b^1 R_c^2 SiO_{\frac{2}{2}}$$
 (D units)

$$E_a R_b^1 R_c^2 SiO_{\frac{3}{2}}$$
 (T units)

wherein

E is an epoxy-functional  $C_{1-18}$  hydrocarbon group containing one or more oxygen atoms, provided that no oxygen atom is directly bonded to a Si- atom; and

 $R^1$  and  $R^2$  are independently a  $C_{1-20}$  hydrocarbon, optionally interspersed with a heteroatom linking group;

a is an integer of 0, 1, or 2;

b is an integer of 0, 1, 2 or 3;

c is an integer of 0, 1, 2 or 3; and

in D units, a+b+c=2,

in T units, a+b+c=1,

wherein

the D units are present in about 30 mole percent; the T units are present in about 70 mole percent; and the molecule, on average, contains at least two E components.

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27. (New) The resin of claim 26 wherein the epoxy-functional organopolysiloxane resin has an epoxy equivalent weight in the range of about 200-600.

- 28. (New) The resin of claim 27 wherein the epoxy-functional organopolysiloxane resin has a viscosity in the range of about 200-70,000 cps at 25°C.
  - 29. (New) The resin of claim 28 wherein the E is glycidoxypropyl

Al

30. (New) An epoxy-functional organopolysiloxane coating composition comprising:

a hardener;

an acrylic resin; and

an epoxy-functional organopolysiloxane resin which contains at least one or more of the repeating units having the formulae:

$$E_a R_b^1 R_c^2 SiO_{\frac{2}{2}}$$
 (D units)

$$E_a R_b^1 R_c^2 SiO_{\frac{3}{2}}$$
 (T units)

wherein

E is an epoxy-functional  $C_{1-18}$  hydrocarbon group containing one or more oxygen atoms, provided that no oxygen atom is directly bonded to a Si- atom; and

 $R^1$  and  $R^2$  are independently a  $C_{1\text{-}20}$  hydrocarbon, optionally interspersed with a heteroatom linking group;

a is an integer of 0, 1, or 2;

> b is an integer of 0, 1, 2 or 3; c is an integer of 0, 1, 2 or 3; and in D units, a+b+c=2, in T units, a+b+c=1,

wherein

the D units are present in about 30 mole percent; the T units are present in about 70 mole percent; and the molecule, on average, contains at least two E components.

- 31. (New) The composition of claim 30 wherein the epoxy-functional organopolysiloxane resin has an epoxy equivalent weight in the range of about 200-600.
- 32. (New) The composition of claim 31 wherein the epoxy-functional organopolysiloxane resin has a viscosity in the range of about 200-70,000 cps at 25°C.
  - 33. (New) The composition of claim 32 wherein the E is glycidoxypropyl

$$O$$
 $(CH_2$ — $CHCH_2OCH_2CH_2CH_2$ — $)$ .